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Federal Communications Commission
Office of the Secretary

Peter Tannenwald
202/857-6024

February 24, 1992

Donna R. Searcy, Secretary
Federal Communications Commission
Washington, DC 20554

Re: ARN-911216MD
Loren F. Selznick
New FM, El Rio, California

Dear Ms. Searcy:

Submitted herewith in triplicate is an amendment to the above-referenced application of Loren F. Selznick for a construction permit for a new FM broadcast station to operate on Channel 279A at El Rio, California.

This is a predesignation amendment filed pursuant to Section 73.3522(a)(6) of the Commission's Rules. It increases the proposed effective radiated power of the station. However, it does not result in mutual exclusivity with any previously filed application. The amendment is being filed prior to the expiration of 30 days after public notice of tender (said public notice not yet having been given) and so is filed as a matter of right.

If there are any questions about this amendment or about the application, please contact the undersigned.

Very truly yours,

Peter Tannenwald

Attachment

cc: (w/att) Ms. Loren F. Selznick
Mr. Jonathan C. Stilwell

1050 Connecticut Avenue, NW
Washington, DC 20036-5339

Telephone: 202/857-6000
Cable: ARFOX
Telex: WU 892672
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8000 Towers Crescent Drive
Vienna, Virginia 22182-2733

7475 Wisconsin Avenue
Bethesda, Maryland 20814-3413

45 Rockefeller Plaza
New York, New York 10111

Budapest Representative Office:
Arent/Fox Europe
Vadász utca 12
H-1054 Budapest, Hungary

AMENDMENT

The application of Loren F. Selznick for a construction permit for a new FM broadcast station at El Rio, California, ARN-911216MD, is hereby amended to increase the proposed effective radiated power and to make other associated changes, as described in the attached engineering materials. The applicant will continue to adhere to the recommendations of its consulting engineer with regard to protection of humans from exposure to RF radiation.

Respectfully submitted,

February 20, 1992

Loren F. Selznick
Individual Applicant

Section V-B - FM BROADCAST ENGINEERING DATA	FOR COMMISSION USE ONLY File No. _____ ASB Referral Date _____ Referred by _____

Name of Applicant

Loren F. Selznick

Call letters *(if issued)*	Is this application being filed in response to a window? [X] Yes [ ] No If Yes, specify closing date: _____ Amendment to pending application. See file # below.

Purpose of Application: *(check appropriate box(es))*

- [X] Construct a new (main) facility
- [ ] Construct a new auxiliary facility
- [ ] Modify existing construction permit for main facility
- [ ] Modify existing construction permit for auxiliary facility
- [ ] Modify licensed main facility
- [ ] Modify licensed auxiliary facility

If purpose is to modify, indicate below the nature of change(s) and specify the file number(s) of the authorizations affected.

- [ ] Antenna supporting-structure height
- [ ] Effective radiated power
- [ ] Antenna height above average terrain
- [ ] Frequency
- [ ] Antenna location
- [ ] Class
- [ ] Main Studio location
- [ ] Other *(Summarize briefly)*

File Number(s) Amendment to pending application BPH-911216MD

1. Allocation:

Channel No.	Principal community to be served:		
	City	County	State
279	El Rio	Ventura	CA

Class *(check only one box below)*

[X] A [ ] B1 [ ] B [ ] C3 [ ] C2 [ ] C1 [ ] C

2. Exact location of antenna.

(a) Specify address, city, county and state. If no address, specify distance and bearing relative to the nearest town or landmark.

Atop Willis Peak, Ventura County, California, approximately 10 km NW of El Rio

(b) Geographical coordinates (to nearest second). If mounted on element of an AM array, specify coordinates of center of array. Otherwise, specify tower location. Specify South Latitude or East Longitude where applicable; otherwise, North Latitude or West Longitude will be presumed.

Latitude	°	'	"	Longitude	°	'	"
	34	18	09		119	13	44

3. Is the supporting structure the same as that of another station(s) or proposed in another pending application(s)? [ ] Yes [X] No

If Yes, give call letter(s) or file number(s) or both. _____

If proposal involves a change in height of an existing structure, specify existing height above ground level including antenna, all other appurtenances, and lighting, if any.

_____

920116

4. Does the application propose to correct previous site coordinates? ☐ Yes ☒ No
If Yes, list old coordinates.

Latitude ° ' "	Longitude ° ' "

5. Has the FAA been notified of the proposed construction? ☒ Yes ☐ No
If Yes, give date and office where notice was filed and attach as an Exhibit a copy of FAA determination, if available.

Exhibit No.

Date December 16, 1991 ** Office where filed Western-Pacific Regional Office

6. List all landing areas within 8 km of antenna site. Specify distance and bearing from structure to nearest point of the nearest runway.

	Landing Area	Distance (km)	Bearing (degrees True)
(a)	none		

SECTION V-B – FM BROADCAST ENGINEERING DATA (Page 3)

10. Is a directional antenna proposed? ☐ Yes ☒ No

If Yes, attach as an Exhibit a statement with all data specified in 47 C.F.R. Section 73.316, including plot(s) and tabulations of the relative field. Exhibit No.

11. Will the proposed facility satisfy the requirements of 47 C.F.R. Sections 73.315(a) and (b)? ☒ Yes ☐ No

If No, attach as an Exhibit a request for waiver and justification therefor, including amounts and percentages of population and area that will not receive 3.16 mV/m service. Exhibit No.

12. Will the main studio be within the protected 3.16 mV/m field strength contour of this ☒ Yes ☐ No

15. Attach as an Exhibit a 7.5 minute series U.S. Geological Survey topographic quadrangle map that shows clearly, legibly, and accurately, the location of the proposed transmitting antenna. This map must comply with the requirements set forth in Instruction V. The map must further clearly and legibly display the original printed contour lines and data as well as latitude and longitude markings, and must bear a scale of distance in kilometers.

Exhibit No. *

16. Attach as an Exhibit *(name the source)* a map which shows clearly, legibly, and accurately, and with the original printed latitude and longitude markings and a scale of distance in kilometers:

Exhibit No. *

Source: USGS 1:250,000 map

(a) the proposed transmitter location, and the radials along which profile graphs have been prepared;

(b) the 3.16 mV/m and 1 mV/m predicted contours; and

(c) the legal boundaries of the principal community to be served.

Radial bearing (degrees True)	Height of radiation center above average elevation of radial from 8 to 16 km (meters)	Predicted Distances	
		To the 3.16 mV/m contour (kilometers)	To the 1 mV/m contour (kilometers)
*			
0	31	4.9	8.8
45	100	8.8	15.6
90	247	13.8	24.6
135	347	16.5	29.0
180	368	16.9	29.8
225	374	17.1	30.1
270	212	12.8	22.8
315	200	12.5	22.2

*Radial through principal community, if not one of the major radials. This radial should NOT be included in the calculation

LOREN F. SELZNICK

NEW FM STATION
103.7 MHZ, CHANNEL 279A
EL RIO, CALIFORNIA

ENGINEERING EXHIBIT IN SUPPORT OF AMENDMENT TO PENDING APPLICATION FOR CONSTRUCTION PERMIT FCC FILE NO. BPH-911216MD

January 30, 1992

Hammett & Edison, Inc.
Consulting Engineers
San Francisco

NEW FM STATION
103.7 MHZ, CHANNEL 279A
EL RIO, CALIFORNIA

ENGINEERING STATEMENT OF JONATHAN C. STILWELL

The firm of Hammett & Edison, Inc., Consulting Engineers, has been retained by Loren F. Selznick to prepare the engineering portion of an amendment to her pending application for construction permit for a new FM station on Channel 279A at El Rio, California, FCC File No. BPH-911216MD. For convenience, this engineering exhibit replaces in its entirety the exhibit presently on file with the FCC.

PROPOSED OPERATION

It is proposed to locate the transmitting facilities atop Willis Peak, approximately 10 km northwest of El Rio, California. It is proposed to operate with 530 watts effective radiated power at an antenna height of 235 meters above average terrain. The proposed two-bay circularly polarized antenna will be mounted on a new wooden pole with an overall height of 19 meters above ground. Attached figures show the site location and vertical elevation of the proposed operation. Standby power generation capability will be provided to ensure continued operation during periods of local commercial power failure.

It is proposed to operate the transmitter by remote control from a studio and remote control point to be located within the calculated 3.16 mV/m contour.

ALLOCATION CONDITIONS

The following table shows the distances from the proposed transmitter site to all pertinent existing stations or allotments:

Channel	Nearest Allotment	FCC Required Distance *	Distance from Proposed Site
225A	New allocation, Montecito, CA	10 km	42 km
226B	KCBS-FM, Los Angeles, CA	15	107
276A	KSRF(FM), Santa Monica, CA	31	84
277B	KRUZ(FM), Santa Barbara, CA	69	71
278B	KOST(FM), Los Angeles, CA	105†	108
279B	KJQY(FM), San Diego, CA	178	245
280A	KACE(FM), Inglewood, CA	72	86
281B1	KBOX(FM), Lompoc, CA	48	120
282A	KXHA(FM), Shafter, CA	31	124
282B	KBIG(FM), Los Angeles, CA	69	107

* FCC Rules Section 73.207(b)(1) distances used, except where noted.
† FCC Rules Section 73.213(c) used to determine required spacing.

As the petition for the El Rio allotment was filed prior to October 2, 1989, the applicant is availing herself of the provisions of Section 73.213(c) in determining the required spacing to FM Station KOST, Channel 278B, Los Angeles, California; the proposed spacing to that station is therefore adequate. In all other cases the proposed transmitter location complies with the minimum distance separation requirements in Section 73.207(b)(1) of the FCC Rules.

U.S.–MEXICAN FM AGREEMENT COMPLIANCE

The proposed site is less than 320 kilometers from the U.S.–Mexican border, necessitating compliance with the U.S.-Mexican FM Agreement. Authorization from the Mexican government was obtained for a Class B FM station on Channel 279 in El Rio. The channel allotment, resulting from a petition filed prior to October 2, 1989, is for a Class A facility; therefore, the more restrictive limitation of FCC Rules Section 73.213(c)(1) applies in determining the maximum available facilities. Accordingly, the applicant proposes to transmit 0.53 kilowatts effective radiated power from an antenna height above average terrain of 235 meters, resulting in a reference distance (calculated in accordance with Section 73.313) exactly equal to the class contour distance of 24 kilometers.

TERRAIN AND COVERAGE DATA

The locations of the 3.16 and 1.0 mV/m field strength contours for the proposed operation have been determined in accordance with the procedures specified in the FCC Rules. The average elevations of terrain were determined by use of the USGS 3-second topography database and have been corrected in accordance with the FCC Rules to account for those portions that extend over the Pacific Ocean. I have examined the pertinent USGS topographic quadrangle maps and believe that the terrain data utilized are correct.

The proposed operation would encompass the city of El Rio within the calculated 3.16 mV/m contour. There is no terrain obstruction between El Rio and the proposed site. The land area within the 1.0 mV/m contour was determined to be 1,041 square kilometers by use of a polar planimeter on maps of known scale. The population within this contour was determined to be 385,909 persons by summing the populations of all census blocks in the 1990 Census of the United States whose centroids lie within the contour.

NEARBY STATIONS

FM Station KAGR is located within 60 meters of the proposed antenna. The 115 dBu blanketing contour of the proposed operation, as calculated in accordance with FCC Rules,

extends a distance of 287 meters: I am aware of no populated areas within that distance, nor

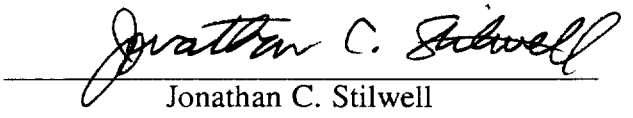
NEW FM STATION
EL RIO, CALIFORNIA

LIST OF FIGURES

In carrying out these engineering studies, the following attached figures were prepared by me or under my direct supervision:

1. Engineering specifications of proposed operation
2. Maps showing proposed site
3. Antenna elevation drawing
4. Tabulation of terrain and coverage data
5. Map showing proposed coverage.

HAMMETT & EDISON, INC.
Consulting Engineers



January 30, 1992

Jonathan C. Stilwell

AFFIDAVIT

State of California)
) ss:
County of San Mateo)

Jonathan C. Stilwell, being first duly sworn upon oath, deposes and says:

1. That he is a qualified engineer and is employed by the firm of Hammett & Edison, Inc., Consulting Engineers, with offices located near the city of San Francisco, California,

2. That he graduated from Stanford University with a Bachelor of Science degree in Electrical Engineering in 1985, was employed from 1985 to 1991 in the field of electronic design and radio frequency engineering at Motorola, Inc., and Catel Telecommunications, Inc., and has been associated with the firm of Hammett & Edison, Inc., since 1991,

3. That the firm of Hammett & Edison, Inc., Consulting Engineers, has been retained by Loren F. Selznick to prepare the engineering portion of an amendment to a pending application for construction permit for a new FM station on Channel 279A at El Rio, California, FCC File No. BPH-911216MD,

4. That he has carried out such engineering work and that the results thereof are attached hereto and form a part of this affidavit, and

5. That the foregoing statement and the report regarding the aforementioned engineering work are true and correct of his own knowledge except such statements made therein on information and belief, and as to such statements, he believes them to be true.

Jonathan C. Stilwell

Jonathan C. Stilwell

Subscribed and sworn to before me this 30th day of January, 1992

OFFICIAL SEAL
Ernest B. Montaner
NOTARY PUBLIC - CALIFORNIA
SAN MATEO COUNTY
My Comm. Expires June 9, 1995

NEW FM STATION
103.7 MHZ, CHANNEL 279A
EL RIO, CALIFORNIA

ENGINEERING SPECIFICATIONS OF PROPOSED OPERATION

A. Transmitter Site

North Latitude	34° 18' 09"
West Longitude	119° 13' 44"

Atop Willis Peak, Ventura County, California,
approximately 10 km northwest of El Rio

B. Studio & Remote Control Point

To be located within the 3.16 mV/m contour

C. Equipment

Transmitter	1000 W, type accepted	1.0 kW
Transmission line	Andrew, Type LDF5-50A, 7/8" foam dielectric	25 m
Tower	Wooden pole	19 m
Antenna	Jampro, Model JLLP-2	2-bay
Standby generator	Onan 2.5AJ-3R	2.5 kW

D. Height

Height of site above mean sea level	366 m
Height of tower above site	19 m
Overall height above mean sea level	385 m
Elevation of 3-16 km average terrain above mean sea level	149 m
Effective height of antenna above site	18 m
Effective height of antenna above average terrain	235 m
Effective height of antenna above mean sea level	384 m

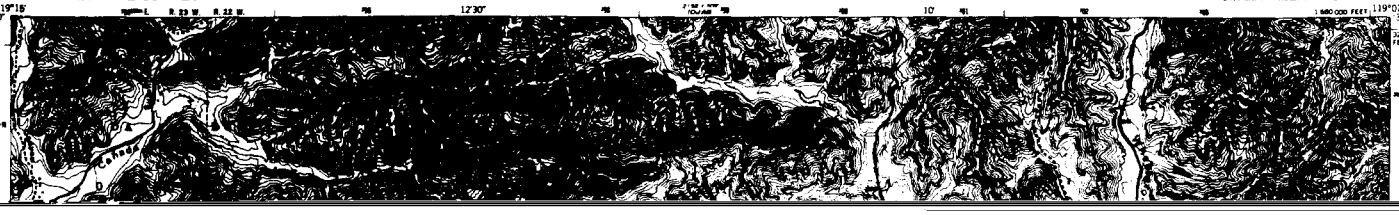
E. Operation

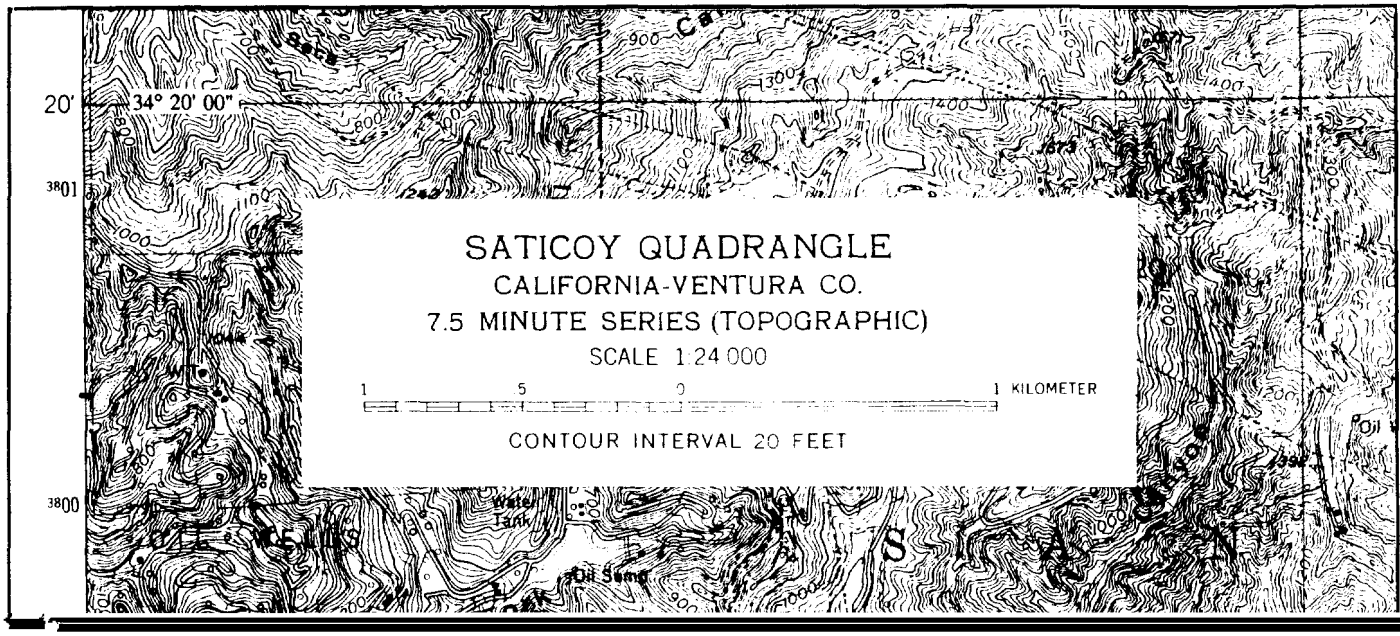
Transmitter output	0.59 kW
Transmission line efficiency	93.1%
Antenna power gain – circularly polarized	0.96
Effective radiated power – circularly polarized	0.53 kW

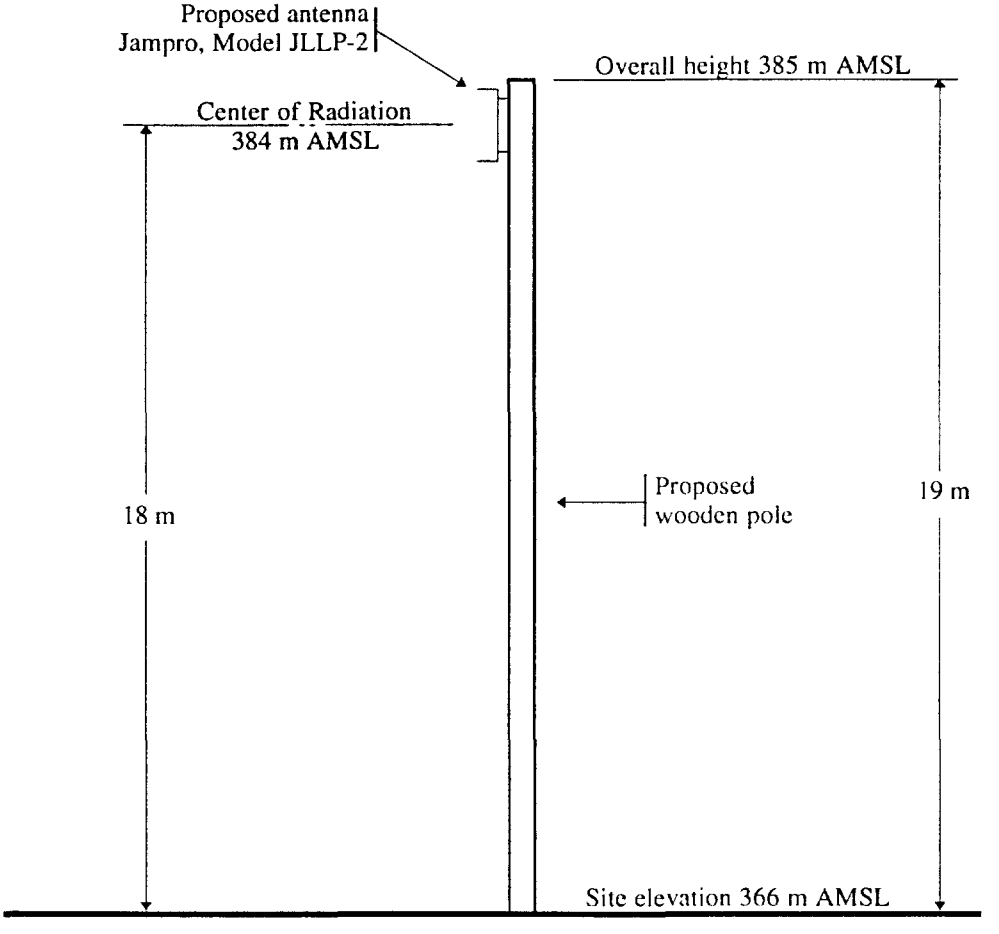
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STATE OF CALIFORNIA
REPRESENTED BY THE
DIRECTOR OF PUBLIC WORKS

SATICOY QUADRANGLE
CALIFORNIA-VENTURA CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
SW/4 SANTA PAULA 15' QUADRANGLE




20'
34° 20' 00"
3801
3800
SATICOY QUADRANGLE
CALIFORNIA-VENTURA CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
SCALE 1:24 000
1 KILOMETER
CONTOUR INTERVAL 20 FEET
Water Tank
Oil Sump
Oil



North Latitude 34° 18' 09"
West Longitude 119° 13' 44"

DRAWING NOT TO SCALE

POLE TO BE PAINTED AND LIGHTED IN ACCORDANCE WITH FAA REQUIREMENTS	
HAMMETT & EDISON, INC. CONSULTING ENGINEERS SAN FRANCISCO	NEW FM STATION 103.7 MHZ, CHANNEL 279A EL RIO, CALIFORNIA

PROPOSED ANTENNA ELEVATION

920116 FIGURE 3

NEW FM STATION
103.7 MHZ, CHANNEL 279A
EL RIO, CALIFORNIA

TERRAIN AND COVERAGE DATA
PROPOSED OPERATION

Azimuth	Average Elevation[1] (3 to 16 km)	Antenna Height Above Average Terrain[2]	Effective Radiated Power[3]	Distance to Contours[4] 3.16 mV/m	1 mV/m
N 0° E	353 m	31 m	0.53 kW	4.9 km	8.8 km
15	466	-82 [5]	0.53	4.8	8.6
30	440	-56 [5]	0.53	4.8	8.6
45	284	100	0.53	8.8	15.6
60	222	162	0.53	11.2	20.2
75	137	247	0.53	13.8	24.6
90	137	247	0.53	13.8	24.6
105	85	299	0.53	15.2	26.9
120	53	331	0.53	16.1	28.3
135	37	347	0.53	16.5	29.0
150	26	358	0.53	16.7	29.4
165	21	363	0.53	16.8	29.6
180	16	368	0.53	16.9	29.8
195	23	361	0.53	16.8	29.6
210	10	374	0.53	17.1	30.1
225	10	374	0.53	17.1	30.1
240	21	363	0.53	16.8	29.6
255	108	276	0.53	14.6	25.9
270	172	212	0.53	12.8	22.8
285	172	212	0.53	12.8	22.8
300	286	98	0.53	8.7	15.4
315	184	200	0.53	12.5	22.2
330	215	169	0.53	11.5	20.6
345	267	117	0.53	9.5	17.1
Average [6]	149	235			

[1] USGS 3-second topography database

[2] 384 m Effective Height minus Average Elevation

[3] Maximum Class A facilities, subject to Section 73.213(c)(1)

[4] FCC Rules, Section 73.333, Figure 1

[5] Height of 30 m used to project distance to contours

[6] Includes only eight standard radials


Ford
SAN GUILLERMO
MTN
ALAMO MOUNTAIN
GOLD